

SPECIFICATIONS FOR BODY, PLATFORM, 8-14 FT.

SCDOT Spec. No. B105.31 – 07/22/10

DESCRIPTION: The platform bodies shall be medium and heavy-duty units designed and constructed for highway maintenance applications over a very long life-cycle (15 + years). Five sizes of body are covered in this specification.

CAPACITY: Five sizes, measured in nominal length: 8 ft., 9 ft., 12 ft., 12 ft. (heavy-duty), and 14 ft. (heavy-duty).

DIMENSIONS: Length, width, and other dimensional and structural features shall meet the minimum requirements in the bidding schedule.

CONSTRUCTION: The platform body shall consist of a frame, floor, sides, and other components. Floor shall be a minimum 45,000 psi steel. The frame shall consist of two (2) full-length longitudinal structural steel channels. Crossmembers (cross sills) shall be full-width "C" section or structural steel channels. Crossmembers shall be spaced at 12 inch centers. Crossmembers shall be supported by triangular gusset plates at the longitudinal sills. End and side rails shall be "C" section, structural or special shape steel channels.

The floor shall be smooth steel plate. A front DOT bulkhead shall be provided 40 " high, complete with pre-punched visibility opening minimum 60"Wx 20"H. Expanded metal visibility openings are not acceptable. Bulkhead shall have side gussets and shall be fixed or bolt on type. The sides and rear shall be provided with stake pockets to accept universal sides. Successful bidder shall have sides available in-stock.

Mounting locations for lights shall provide a recessed opening or shall be protected by channel shape. Lights shall be the shock-mounting type and recessed in rubber grommets.

A complete lighting package shall be furnished with lights and reflectors to meet South Carolina motor vehicle laws, as well as FMVSS and DOT requirements. Mounting locations (recessed) shall be pre-punched and drilled. Lights shall be the shock-mounting type. Lights, reflectors, and wiring harness shall be provided with all wiring in plastic loom.

EQUIPMENT: The unit shall be complete with all standard equipment and accessories normally furnished. In addition, equipment shall be furnished as follows:

1. The unit shall meet all applicable OSHA requirements.
2. Completed body shall be undercoated with petroleum based undercoating.
3. Lighting package with lights, reflectors, and wiring harness to meet DOT/FMVSS regulations and South Carolina Motor vehicle laws.
4. Fuel filler cap(s) support bracket(s). No interference or inefficiency in fuel filler lines is allowable.

EQUIPMENT/SERVICES (OPTIONAL): When requested during the contract term, the following optional equipment and/or services shall be provided.

1. Sides and rear shall be stake-type, inserted into stake pockets. The sides shall be built in removable (lift-out) sections, with interlocking latches. The stakes shall be made of formed steel and have positive lock for each section to prevent accidental fall out. The slats shall be made of corrugated or formed steel, with four rows of slats. Each section of stake sides shall be removable by the efforts of a single worker. Sides shall be 40" high.

2. Body optional equipment additions, deletions and/or substitutions of equipment as may be required by this specification, based on terms found under special conditions of the bid invitation.
3. Installation of bodies and associated hardware as may be required during the contract term. Installation, if required, shall be in accordance with the following specifications:
 - a) No welding on truck frames or drilling of frame flanges is allowable.
 - b) Full length support contact with the truck frame is required.
 - c) The truck will be released to the successful bidder with full fuel tanks, and must be completely refueled prior to return.
 - d) Fuel filler lines must provide adequate drop or fall from cap opening to tank. Some trucks may be equipped with dual tanks.
 - e) The body must be adequately attached to the truck frame with U-bolts or brackets.
4. EZ-Step, 3-step retractable access ladder and grab handle

COLOR: The unit shall be painted or powder coated gloss black. The unit shall be cleaned and primed prior to application of the finish paint. Primer not required with powder coating. Serial and data plates shall be protected from being painted over. Complete body shall be undercoated with petroleum based undercoating.

All manufacturer's standard warning, safety, instructional, and identification decals shall be provided; however, there shall be no vendor or dealer identification or advertising decals allowed.

Add Options:

1. Installation of body and hoist systems
2. Hoist system – to convert to platform dump body
3. 40” High Stake Sides & Rears
4. 36” x 18” x 18” Under Body Tool Box